

# SEVENTY-SEVENTH ANNUAL REPORT

OF THE

## DIRECTORS

OF THE

## DUNDEE ROYAL ASYLUM

FOR

### Lunatics,

SUBMITTED, IN TERMS OF THEIR CHARTER, TO A GENERAL

MEETING OF THE DIRECTORS, 21<sup>ST</sup> JUNE 1897:

WITH THE

## REPORTS OF THE MEDICAL SUPERINTENDENT

AND

## TREASURER OF THE INSTITUTION.

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DUNDEE:

PRINTED BY WINTER, DUNCAN & Co. 10 CASTLE STREET.

1897.



THE FOLLOWING ARE THE  
DIRECTORS AND OFFICE-BEARERS

FOR THE CURRENT YEAR  
FROM JUNE 1897 TO JUNE 1898.

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Chairman of the Directors.

CAPTAIN CLAYHILLS HENDERSON, R.N., of Invergowrie.

**EXTRAORDINARY DIRECTORS.**

*Ex-Officiis.*

1. The Right Honourable CLAUDE Earl of STRATHMORE and KINGHORNE, Lord-Lieutenant of the County.
2. Captain SINCLAIR, M.P. for the County.
3. JOHN C. THOMSON, Esq., Advocate, Sheriff of the County.
4. SIR JOHN LENG, M.P. for the Burgh.
5. E. ROBERTSON, Esq., M.P., for the Burgh.
6. The MODERATOR of the Synod of Angus and Mearns.

*Directors for Life.*

7. The Right Honourable the Earl of STRATHMORE and KINGHORNE, Glamis Castle.
8. WILLIAM ROBERTSON, Esq., Balmore, Newport.
9. The Right Honourable the Earl of CAMPERDOWN, Camperdown House.
10. Captain CLAYHILLS HENDERSON, R.N., of Invergowrie.
11. Lord Provost M'GRADY, Arnhall.

**ORDINARY DIRECTORS.**

*Ex-Officiis.*

12. Lord Provost M'GRADY.
13. Bailie DOIG.
14. Lord Dean of Guild PAUL.

1. *Elected by Nine Incorporated Trades.*

15. R. KEITH, Esq., High Street.
16. W. W. FAIRWEATHER, Esq., Seagate.
17. J. A. KIDD, Esq., Fort Street, Broughty Ferry.

2. *By the Three Trades.*

18. J. B. HAY, Esq., Builder.

3. *By the Guildry.*

19. J. S. SMITH, Esq., Joiner, Dundee.
20. WILLIAM HUNTER, Esq., of Hilton.
21. JOHN P. KYD, Esq., Solicitor, Dundee.
22. HUGH BALLINGALL, Esq.,—for the Maltmen Fraternity.

4. *By the Seamen Fraternity.*

23. Captain WILLIAM BARRON, Perth Road.

5. *By the Masters of the Masonic Lodges.*

24. JOHN OVENSTONE, Esq., Ward Road.

6. *By the Kirk Session.*

25. The Rev. J. M. BENSON, 4 Hawkhill Place.  
26. J. MILN, Esq., 2 Euclid Street.

7. *By the Presbytery.*

27. The Rev. W. WRIGHT, Lochee.  
28. The Rev. D. B. CAMERON, Rosebank.

8. *By the County Council.*

29. W. F. BELL, Esq., Barns of Claverhouse.  
30. D. M'INTYRE, Esq., 8 Duntrune Terrace, Broughty Ferry.  
31. WILLIAM BELL, Esq., Balnuith, Tealing.  
32. JAMES MILLER, Esq., East Balgillo, Broughty Ferry.

9. *By the Governors of the Royal Infirmary.*

33. J. W. MILLER, Esq., M.D., Greenfield.  
34. JOHN EARL ROBERTSON, Esq., Invercarse.  
35. The Rev. PETER GRANT, D.D., Perth Road.  
36. A. B. GILROY, Esq., Merchant.  
37. WM. LOW, Esq., Taymount, West Park Road.  
38. WILLIAM KIDD, Esq., 14 Windsor Street.  
39. The Rev. THOMAS LENNIE, Lochee.  
40. DAVID MACEWAN, Esq., M.D., Tay Street.

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**Office-bearers.**

**COMMITTEE OF MANAGEMENT.**

1. J. P. KYD, Esq., *Chairman.*
2. ROBERT KEITH, Esq.
3. LORD DEAN OF GUILD PAUL.
4. A. B. GILROY, Esq.
5. W. F. BELL, Esq.
6. WILLIAM KIDD, Esq.

**HOUSE VISITORS.**

1. JOHN EARL ROBERTSON, Esq., to visit during July and October 1897 and January and April 1898.
2. W. W. FAIRWEATHER, Esq., to visit during August and November 1897 and February and May 1898.
3. The Rev. THOMAS LENNIE, to visit during September and December 1897 and March and June 1898.

# OFFICERS OF THE ASYLUM.

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## RESIDENT.

### Medical Superintendent.

JAMES RORIE, M.D., L.R.C.S.E.

### Medical Assistant.

A. Y. RICHARDSON, M.B., B.S. (DUR.)

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## NON-RESIDENT.

### Chaplain.

THE REV. GEORGE DINGWALL, B.D., THE MANSE, LIFF.

### Treasurer.

D. McINTYRE, C.A., 13 ALBERT SQUARE, DUNDEE.

### Secretary.

ROBERT C. WALKER, SOLICITOR, WHITEHALL STREET, DUNDEE.



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REPORT BY THE DIRECTORS  
OF THE  
DUNDEE ROYAL LUNATIC ASYLUM  
TO THE  
ANNUAL GENERAL COURT,

21ST JUNE 1897.



IN submitting their Seventy-seventh Report, the Directors are glad to state that the Dundee Asylum continues in a prosperous condition.

Since the last Annual Court of the Directors, the Committee of Management have feued five lots of ground, one at the corner of Balmore Street and Dura Street, extending to fully 40 poles; two on the east side of Baldovan Terrace, extending each to fully 31 poles; another on the east side of Baldovan Terrace of 32 poles; and another on the west side of Baldovan Terrace of fully 30 poles.

In March last the Committee of Management, acting under the remit made to them by the Directors at the last Annual Court, sold the superiorities of five lots of ground for £4,405, being fully thirty-three and a-half years' purchase. The price of the feu-duties sold, after deducting expenses, was paid into the Union Bank for the credit of the Building Account. This Account, which in June last stood at £20,457. 14s. 11d., has been reduced to £16,817. 2s. 5d.

Dr. A. L. Pentland Smith, who was appointed Medical Assistant in April 1896, has resigned his situation. His successor has not yet been appointed.

The two additions at the east and west ends of the Main Building, which were referred to in last year's Report, have now been completed, and are occupied. The necessity of still further providing additional accommodation for the rapidly increasing number of Patients has been engaging the attention of the Committee.

At the last Annual Court the Directors resolved to introduce Electric Light into Westgreen and Gray House, and remitted to the Committee of Management to make all the necessary arrangements for carrying out the work. The installation at Gray House was finished some time ago, and has proved very satisfactory. That at the Asylum will, it is expected, be completed in the course of the summer.

During the financial year various donations and legacies have been made to the Asylum. The most important of these was the sum of One thousand Pounds, allocated by the late Mr Cobb's Trustees to the Asylum; and a bequest of upwards of £760, being the one half of the residue of the estate of the late Mr Robert Don, Broughty Ferry.

The Directors regret to have to record the death of Mr A. H. Foggie, who, during the time he was a Member of the Committee of Management, took a deep and active interest in the affairs of the Institution.

During the year, seven Nurses passed the Examination for Nursing Certificate of the Medico-Psychological Association of Great Britain and Ireland.

Miss Aitken, who has for some time acted as Head Nurse and Housekeeper, has resigned her situation.

The Directors are glad to be able to state that the Farm, on which there was a loss last year of two hundred and eighty-two pounds eighteen shillings and sevenpence, has this year, thanks to the attention bestowed upon it by Mr W. F. Bell, shown a profit of £74. 17s. 11d.

From the Treasurer's Report it will be observed that the Income of the Institution from the Board of Patients, and other sources for the year was £17,165. 0s. 11d., and the Expenditure, £15,492. 10s. 2d., shewing a balance of £1,672. 10s. 9d.

The Commissioners in Lunacy visited the Asylum and Gray House twice during the year. The following is an Extract from Dr. Fraser's Report, dated 16th September 1896:—

“The Asylum was found clean and in good order. The Lavatories and Water-closets on the male side have been greatly improved by new tiling and new sanitary arrangements of the most recent and efficient kind. It is understood, with approval, that all the Lavatories in the Main Building are to be renovated in the same manner. The Observation Dormitories on both the male and female sides are almost ready for occupation, and consist of four lofty and well-lighted rooms, with excellent bathing and sanitary arrangements on the ground floor to the north. . . . .

“It is heard with satisfaction that the Directors have had under consideration the introduction of Electric Light into all sections of the Asylum. This light has been found most suitable for Institutions for the insane. It is safer, cooler, cleaner, and healthier than gas. . . . .

“The patients in Gray House were found admirably provided for. This Mansion is beautifully situated, and its arrangements are entirely free from features of an asylum character. It provides, in a liberal manner, for persons belonging to the higher class of Private Patients.”

The Medical Superintendent's Report shews that on 15th June last there were 457 patients in the Asylum, 184 males and 273 females, while there are at present 473, that number being made up of 185 males and 288 females, 162 having been admitted during the year, 74 having recovered, 47 having died, 3 having been removed to the Lunatic Wards of Poorhouses, 7 to other Asylums, 6 by friends, 9 by Minutes of Parish Councils, 1 on expiry of Emergency Certificate, and 1 by order of the Sheriff.



ABSTRACT OF THE INCOME  
DUNDEE ROYAL  
*For the Year ending*

BOARD OF PATIENTS—					INCOME.		
1. Private	..	..	..	..	£3,807	2	6
2. Pauper	..	..	..	..	11,401	0	7
					<hr/>		
					£15,208	3	1
* FEES FOR ATTENDANCE .. .. 55 16 0							
FEU-DUTIES .. .. 42 10 4							
FARM AND GARDEN—Profit for Year .. .. 74 17 11							
					<hr/>		
					£15,381	7	4
ANNUITIES AND DONATIONS .. .. 1,783 13 7							
					<hr/>		
					17,165	0	11



# AND EXPENDITURE OF THE LUNATIC ASYLUM

11

31st March 1897.

## EXPENDITURE.

### SALARIES—

Medical Superintendent	..	..	..	£650	0	0
Assistant Medical Officer	..	..	..	131	6	0
Chaplain	..	..	..	60	0	0
Secretary	..	..	..	80	0	0
Treasurer	..	..	..	130	0	0

£1,051 6 0  
1,807 9 7

### HOUSE SERVANTS' WAGES

### RENTS, FEU-DUTIES, TAXES, AND INSURANCE—

Feu-duty	..	..	..	£727	13	2
Taxes	..	..	..	348	16	6
Fire Insurance of Asylum Buildings, Furniture, &c.	..	..	..	56	19	10
Rent of Board Room	..	..	..	10	0	0
Rent of Telephones	..	..	..	40	10	0
Gray House—Rent and Taxes, less rent of Shootings	..	..	..	151	15	6

1,335 15 0

### RENEWALS AND REPAIRS—

Plumber Work	..	..	..	£67	0	5
Mason Work	..	..	..	18	9	10
Painter Work	..	..	..	163	19	1
Smith Work	..	..	..	31	2	0
Wright Work	..	..	..	25	4	11
Glazier and Bellhanger	..	..	..	22	7	2
Altering Wire Fence	..	..	..	22	6	5
Ironmongery	..	..	..	111	13	11
Repairing Engine and Boiler	..	..	..	8	3	11
Plasterer	..	..	..	5	8	9
Slater	..	..	..	15	1	0

490 17 5

### GAS AND WATER—

Gas	..	..	..	£200	15	7
Water	..	..	..	156	18	8

357 14 3

### MAINTENANCE, CLOTHING, &c.—

Butcher Meat	..	..	..	£1,483	2	6
Bread	..	..	..	692	0	6
Butter	..	..	..	448	1	8
Milk	..	..	From Farm	£519	13	6
			Bought	..	72	4 4
						591 17 10
Meal	..	..	..	125	17	0
Eggs and Poultry	..	..	..	175	9	10
Fish	..	..	..	117	15	7
Cheese	..	..	..	94	1	4
Miscellaneous Groceries	..	..	..	80	19	3
Potatoes	..	..	From Farm	£101	2	9
			Bought	..	1	2 0
						102 4 9
Sugar	..	..	..	135	12	10
Tea	..	..	..	228	15	6
Barley and Pease	..	..	..	67	6	4
Salt	..	..	..	5	6	1
Vegetables from Garden, &c.	..	..	..	192	10	11
Beer, Ales, Aerated Water, and other Liquors	..	..	..	254	8	3
Medicines	..	..	..	55	14	8
Coals and Firewood	..	..	..	465	10	7
Soap, &c.	..	..	..	107	9	11
Clothing	..	..	..	531	10	6
Snuff, Tobacco, &c.	..	..	..	105	18	5
Bedding, Blankets, Sheetting, Napery, Crockery, and Miscellaneous Furnishings	..	..	..	1,130	18	5

£7,192 12 8

Less—Charged to Farm for Pigs' Meat	..	£30	0	0
Rags, Bones, Fat, &c., sold	..	5	17	0

35 17 0

7,156 15 8

### MISCELLANEOUS EXPENSES—

Petty Expenses, including Cab Hires, Entertainments, Postages, Telegrams, and all other like outlays	..	£351	11	11
Van, Horse, and Carriage Account	..	73	5	1
Law Expenses, Architect and Auditor	..	45	2	9
Stationery, Books, Newspapers, and Printing	..	127	7	11
Interest Account—Balance	..	9	13	0

607 0 8

### UNION BANK OF SCOTLAND—Interest on Building Account

### ELECTRIC LIGHT INSTALLATION—Payments on account

### DEPRECIATION ON BUILDINGS AND FURNITURE

727 17 8

1,400 0 0

557 13 11

### BALANCE

£15,492 10 2

1,672 10 9

£17,165 0 0 11

# DUNDEE ROYAL LUNATIC ASYLUM.

## BALANCE SHEET—31st March 1897.

### CAPITAL AND LIABILITIES.

#### MORTIFICATIONS—

1. John Grieve's—For maintenance of an indigent Innatic - £393 1 3
2. Provost Riddoch's—Do. 448 18 0

£841 19 3

#### BANK LOANS—

- On General Account - £1,796 2 3
- On Building Account - 21,185 12 7

22,981 14 10

#### STOCK ACCOUNT—

- At close of last Account - £48,995 17 11
- Add—Balance per Income and Expenditure Account - 1,672 10 9

50,668 8 8

£74,492 2 9

### ASSETS.

#### PATIENTS' ACCOUNTS—

- Ledger Balances - £6 12 7
- Last quarter's furnishings—
- From Store - 29 9 7

£36 2 2

#### OLD ASYLUM—

- (a) Ground, less Sales paid for - £11,241 18 9
- (b) Outstanding cost of making Streets - 362 4 11

11,604 3 8

#### NEW ASYLUM—

- Buildings and Furniture at close of last Account - £55,769 10 9
- Depreciation - 557 13 11

£55,211 16 10

#### Additions to Asylum Buildings

4,888 9 9

60,100 6 7

#### STOCK AT CLOSE, PER SUNDRY ACCOUNTS AND INVENTORY—

- House - £896 17 7
- Farm and Garden - 1,822 12 9

2,719 10 4

#### OUTSTANDING ACCOUNTS

32 0 0

£74,492 2 9

D. M'INTYRE, C.A., *Treasurer.*

DUNDEE, 5th June 1897.—Examined and found correct.—DAVID MYLES, C.A., *Auditor.*

## DUNDEE ROYAL LUNATIC ASYLUM.

## NEW ASYLUM BUILDING ACCOUNT.

BANK DEBT AT 31ST MARCH 1896	-	-	-	-	£23,340 12 4
<i>Reduced by</i>					
Sold and realized Feu-duties	.	-	-	£2,882 17 5	
Less—Interest on Loan to 31st March 1897	-	-	727 17 8		
				<hr/>	2,154 19 9
					<hr/>
					£21,185 12 7
					<hr/>

D. M'INTYRE, C.A., *Treasurer.*

DUNDEE, 5th June 1897.—Examined and found correct.

DAVID MYLES, C.A., *Auditor.*

NOTE. A. Feu-duties sold, but not paid for, at date of balance, of the value of £4,368. 10s. 2d.

B. Unsold Feu-duties at same date, £35. 2s. 11d. at 33 years' purchase, £1,159. 16s. 3d.

C. Unfeued Ground, about  $2\frac{1}{4}$  acres, worth 17/6 per pole.

## DUNDEE ROYAL LUNATIC ASYLUM.

## PARTICULARS OF DONATIONS, LEGACIES, &amp;c.,

*Received from 31st March 1883 to 31st March 1897 inclusive.*

1820 to 31st March 1883, per Statement issued in the latter year	-	-	-	-	-	£16,596	19	4
1884-87, Special Donations towards cost of erecting Westgreen Asylum	-	-	-	-	-	3,839	2	7
1887, Donation	-	-	-	-	£1	1	0	
Miss Jane Clark, Westhaven—Legacy	-	-	-	-	18	0	0	
Mrs Christina Robson or Carr Do.	-	-	-	-	1,000	0	0	
Miss Jessie Graham	-	-	-	-	200	0	0	
						1,219	1	0
1889, Donations	-	-	-	-		2	0	0
1890, Miss Playfair, Airlie Brae, Alyth	-	-	-	-	£30	0	0	
Donations	-	-	-	-	2	15	6	
						32	15	6
1891, Miss Margt. Robson, 10 Tay Square	-	-	-	-	£100	0	0	
Miss Hood	-	-	-	-	45	18	7	
						145	18	7
1892, Legacy from D. Ogilvie's Trust	-	-	-	-	£95	15	5	
Donation	-	-	-	-	1	0	0	
						96	15	5
1893, Miss Grace Patrick	-	-	-	-	£45	0	0	
Mrs Gilroy, Castleroy, in memory of her husband the late Mr George Gilroy	-	-	-	-	1,000	0	0	
Mrs Margt. Mathewson	-	-	-	-	727	6	0	
Mr William Mathewson	-	-	-	-	846	15	0	
W. H. Blyth Martin—Donation from Committee in charge of performance of "Les Cloches de Corneville"	-	-	-	-	35	0	0	
Donation	-	-	-	-	1	0	0	
						2,655	1	0
1894, Wm. Nicoll's Trustees	-	-	-	-	£55	0	0	
Donation	-	-	-	-	0	10	0	
						55	10	0
1895, Donation	-	-	-	-		0	15	0
1896, Donation	-	-	-	-		1	5	6
1897, Legacy from Cobb's Trust	-	-	-	-	£1,000	0	0	
„ „ Robert Don, Gowrie Cottage, Broughty Ferry	-	-	-	-	766	6	11	
Donations	-	-	-	-	12	10	0	
						1,778	16	11
Total	-	-	-	-		£26,424	0	10



AT THE  
ANNUAL COURT OF DIRECTORS  
OF THE  
DUNDEE ROYAL LUNATIC ASYLUM,  
HELD IN THE TOWN HALL OF DUNDEE,  
ON MONDAY, 21<sup>ST</sup> JUNE 1897,

LORD PROVOST M'GRADY IN THE CHAIR :

The SECRETARY read the Annual Report of the Directors.

The Chairman moved that the Report now read be adopted as the Seventy-seventh Report of the Institution, which was agreed to.

Dr. RORIE read the Medical Report.

It was resolved that the Annual Report of the Directors, such portions of the Medical Report as may be selected by the Committee of Management, and the Abstract of the Income and Expenditure for the past year be circulated as usual.



## MEDICAL REPORT,

21ST JUNE 1897.

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ON the 15th June 1896, the date of last Annual Meeting, the number of patients resident in the Asylum was 458, of whom 185 were males and 273 females; but of these, one being a voluntary patient, is not included in the tables of admission, &c. Of the total 457, 95 were private patients, namely, 42 males and 53 females; and 362, namely, 142 males and 220 females, were paupers. 162 have since been admitted, namely, 66 males and 96 females. Of these, 16 were private patients, that is, persons the expense of whose maintenance was defrayed by their relatives and friends; and 146 were patients paid for in whole or in part by parish rates. The latter class of patients was chiefly received from the City of Dundee and immediate neighbourhood, but several patients were also admitted from the following parishes:—Newtyle, Kirriemuir, Rattray, Kettins, Glamis, Mains and Strathmartine, Kingoldrum, Lundie, Arbroath, and Barry.

As has now been the case for some years back, no rate-paid patient has been admitted from any parish beyond Forfarshire.

The total number of patients under treatment during the year has consequently been 620 in all, being 15 in excess of the number for last year.

Of these, 74 have been discharged recovered, namely, 28 males and 46 females, 7 being private and 67 pauper patients; 7 (2 males and 5 females) were transferred to other Asylums, being chiefly

patients chargeable to parishes beyond Forfarshire ; 9 (6 males and 3 females) were removed from the Asylum by minutes of Parish Council ; 6 (2 males and 4 females) were taken home by friends more or less improved ; 1 patient was removed from Register owing to expiry of Emergency Certificate ; 1 was discharged by order of the Sheriff ; and 3 (2 males and 1 female) were transferred to Lunatic Wards of Dundee Poorhouse.

47 patients have died ; of whom 24 were males and 23 females. There remain therefore at the present date 184 males and 287 females, in all, 471 patients, being 14 in excess of the corresponding number for last year.

The proportion of recoveries calculated on the number of patients admitted is consequently 45·07 per cent., while that of the deaths calculated on the whole number under treatment is 7·58 per cent.

As regards the character of mental illness shown by the patients on admission, little change has taken place from that of former years. 50 were suffering from the various forms of mania ; 32 from melancholia ; 42 from monomania, or delusional insanity ; 31 from dementia ; 5 from general paralysis ; and 1 from moral insanity. Their physical condition on admission was also very much that formerly experienced. Only 41 were in really good health ; 90 were in a condition best described as only fair ; 28 were frail, and in several instances paralytic ; and one was moribund.

One patient on admission was pregnant, and during her stay was delivered of a female child. The mother, being at the time of her birth much improved mentally, was allowed to nurse the child, and both left the Institution together in good health.

Several of the patients on admission were well advanced in years : 15 being over 60 years of age ; 2 having reached their 70th, one the 77th, two their 78th, and one the 79th birthday.

As usual, the deaths resulted from diseases in a great measure of an incurable character, however much their condition may have been capable of amelioration by careful nursing and attention.



In 16 instances death was due to general paralysis of the insane, and in 4 to other forms of organic brain disease; in 6 cases to phthisis; in 5 to senile decay, the ages of the patients being 67, 73, 70, 78, and 80 years; in 3 to epilepsy; in 2 each to cerebral hæmorrhage, cancer of stomach, heart disease, and pneumonia; and in 1 instance each to empyema, syncope, cancer of liver, and paralysis was the cause of death. One patient committed suicide by cutting her throat with a knife, which she had secreted while passing through the kitchen on her way to bed. Such accidents, however much they may be deplored, seem unavoidable, unless by restricting the liberty of the patients in a manner that would be unjustifiable and detrimental to their welfare. As not unfrequently happens in such cases, until the actual occurrence of the event the patient had never shown any suicidal tendencies.

Several of the patients admitted had been on former occasions resident in the Asylum more or less frequently. Three were received for the fourth time, one for the fifth, two for the sixth, and one for the seventh and eighth time. At times, when they feel their illness returning, many continue to come to the Asylum of their own accord, and one of the most pathetic examples of this was the case of a male patient who had been an inmate of the Asylum on five previous occasions, and who for twenty years had oscillated between the Prison, Asylum, and the Lunatic Wards of the Poorhouses. Although he had never shown himself to be absolutely dangerous, his denunciations of his supposed enemies, and threats of vengeance against those who sent him to the Asylum and those who detained him, were unmeasured. The situation found to be most congenial to his condition, however, was that of being boarded with a farmer in Glenisla. There he remained in peace for several years, but in an evil hour wandered in to attend the Dundee Fair. There he fell among thieves, and according to his own statement was robbed of everything he had. At a late hour, on a stormy night in December last, he was discovered on the door-step of the Asylum, and asked to be taken in. As he appeared to be seriously ill, he was at once put

to bed in the sick room, and carefully examined. He was found to be suffering from severe inflammation of both lungs, and from which he never rallied.

The most important improvements effected during the past year have been the fitting up of Gray House with the electric light, and the extension of a similar installation for lighting the main buildings of the Asylum and the farm steading, &c.

In Gray House the light has now been in constant use for five months, and has added greatly to the comfort of the patients, and at the same time to the safety of the buildings.

The usual Lectures were delivered to the nursing staff during the winter months. This systematic training, which has now become a regular part of the routine of all large Institutions for the treatment of the Insane, and has been in operation here for the last twelve years, has added very much to the efficiency of the nurses and attendants. After completing a certain course of instruction and two years experience in the care of the patients, examinations are held every six months, when those who are able to pass, receive the certificate of the Medical Psychological Association of Great Britain and Ireland for proficiency in nursing and attendance on the insane. During the past year seven of the nurses and attendants have secured this certificate. One result is that there is now a greater demand than formerly for the services of experienced nurses to take care of private patients at their own homes. A regular charge (42/- per week) is made for their services, and many attacks are thus tided over without the patient requiring to be sent to the Asylum at all.

Post-mortem examinations were made whenever the consent of the relatives could be obtained. Thirty-five investigations of this kind were carried out, and the result carefully recorded in the registers. The employment of photography, which has been found so useful otherwise, has been extended to this department. A photographic studio has been added to the research room and mortuary, so that general and microscopic photographs of any important lesion may be at once secured for insertion in the medical records.

The fields adjoining the main buildings are now being laid out as grass parks and fenced, partly for grazing purposes, but chiefly with the view of walks being made for the more extended exercise of those patients who are too feeble or who cannot be trusted to go beyond the boundaries of the property.

The year has been one of steady and satisfactory progress. Much has still to be done, especially in papering, repainting, and in renovation generally, but this will be most conveniently attended to after the present operations connected with the introduction of the electric lighting have been completed.

JAMES RORIE, M.D.





# STATISTICAL TABLES

FOR THE YEAR ENDING 21ST JUNE 1897

(The Year ending on the Third Monday in June, agreeably to Charter).

TABLE I.

Showing the Admissions, Re-admissions, Discharges, and Deaths during the Year ending 21st June 1897.

	Males.	Females.	TOTAL	Males.	Females.	TOTAL.
In the Asylum on 15th June 1896	...	...	...	184	273	457
Cases admitted—						
First admissions ... ..	56	72	128			
Not first admissions ... ..	10	24	34			
				66	96	162
Total cases under care during the year ... ..	...	...	...	250	369	619
Cases discharged—						
Recovered ... ..	28	46	74			
Relieved ... ..	11	10	21			
Not improved ... ..	3	3	6			
Cases died ... ..	24	23	47			
Total cases discharged and died during the year ... ..	...	...	...	66	82	148
Remaining in Asylum, 15th June 1897 ... ..	...	...	...	184	287	471
Average number resident during the year ... ..				109·02	278·77	468·79
Persons under care during the year ... ..				250	365	615
Persons admitted ... ..				66	93	159
Cases transferred to this Asylum ... ..				5	3	8
" " from " " ... ..				4	6	10
" removed to Lunatic Wards of Dundee Poor-houses from this Asylum ... ..				2	1	3
" admitted from Lunatic Wards of Poorhouses ... ..				0	2	2
" " " Ordinary Wards of Poorhouses and Parochial Hospital ... ..				3	8	11
" " " Police Office ... ..				7	9	16
" " " Dundee Prison ... ..				4	0	4
" " " Infirmary ... ..				6	0	6
" " " Lunatic Wards, Perth Prison ... ..				0	1	1

TABLE I. A.

Showing (1) *Previous Attacks among Persons admitted during the Year 1896-97,*  
and (2) *the Number of Previous Attacks from which they have recovered in*  
*this or any other Asylum.*

(1) Number of Previous Attacks.						PERSONS.		
						Males.	Females.	Total.
Have had 1 previous attack	...	...				7	12	19
" " 2 " attacks	...	...				...	4	4
" " 3 " "	...	...				1	3	4
" " 4 " "	...	...				...	1	1
" " 5 " "	...	...				2	0	2
" " 6 " "	...	...				...	2	2
" " 7 " "	...	...				...	1	1
						10	23	33

  

(2) Number of times Patients have recovered.						In this Asylum.			In any other Asylum.		
						M.	F.	TOTAL.	M.	F.	TOTAL.
Once	...	...	...	...	...	6	12	18	...	...	...
Twice	...	...	...	...	..	1	4	5	...	...	...
Three times	...	...	...	...	...	1	3	4	...	...	...
Four	..	...	...	...	...	...	1	1	...	...	...
Five	..	...	...	...	...	1	1	2	...	...	...
Six	..	...	...	...	...	...	2	2	...	...	...
Seven	..	...	...	...	...	...	1	1	...	...	...
						9	24	33	...	...	...

TABLE II.

Showing the *Admissions, Discharges, and Deaths from the Opening of the*  
*Asylum to the 21st June 1897.*

	Males.	Females.	TOTAL.	Males.	Females.	TOTAL.
Persons admitted during the period of 77 years	2111	2409	4520			
Re-admissions	562	714	1276			
Discharged cases—				2673	3123	5796
Recovered	956	1319	2275			
Relieved	646	851	1497			
Not improved	147	131	278			
Died	740	535	1275			
				2489	2836	5325
Remaining 21st June 1897	...	...	...	184	287	471
Average number resident during 68 years	107·6	117·98	225·58			
Transferred to this Asylum during the 73 years	84	97	181			
„ from this Asylum	170	158	328			

TABLE III.—Showing the history of the Annual Admissions since June 1857, with the Discharges and Deaths and the Numbers of each year remaining on 21st June 1897.

Year.	ADMITTED.			RECOVERED.			RELIEVED.			NOT IMPROVED.			DIED.			REMAINING ON 21ST JUNE 1897.		
	New Cases.			Re-lapsed Cases.			Recovered.			Relieved.			Died.			Admissions, June 21, 1897.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1820-1857	17	11	28	3	4	7	1674	391	784	212	233	445	30	10	40	252	149	401
57-58	17	11	28	3	4	7	35	9	18	2	5	7	4	0	4	5	1	6
58-59	17	22	39	3	6	9	48	13	20	4	8	12	2	4	6	7	3	10
59-60	21	13	34	8	5	13	47	11	24	3	2	5	4	2	6	9	3	12
60-61	14	6	20	6	0	6	26	4	11	4	1	5	1	0	1	8	1	9
61-62	13	8	21	2	0	2	23	5	10	4	2	6	0	0	0	6	1	7
62-63	8	10	18	3	1	4	22	8	13	1	0	1	1	1	2	3	2	5
63-64	16	10	26	1	6	7	33	7	17	0	3	3	4	4	7	0	0	0
64-65	12	17	29	2	5	7	36	9	15	3	6	9	5	3	8	0	1	1
65-66	27	52	79	11	11	22	101	16	28	4	20	24	5	2	7	13	12	25
66-67	27	34	61	8	5	13	74	14	30	10	10	20	3	2	5	7	10	17
67-68	22	27	49	4	8	12	61	8	15	4	11	15	5	2	7	8	7	15
68-69	19	17	36	3	3	6	57	10	20	12	6	18	4	0	4	10	3	13
69-70	29	11	40	8	2	10	35	6	16	6	1	7	1	0	1	9	2	11
70-71	18	31	49	6	4	10	59	18	25	9	8	17	1	2	3	7	6	13
71-72	26	39	65	5	6	11	76	26	39	6	10	16	2	3	5	9	6	15
72-73	23	36	59	8	11	19	78	15	19	34	7	15	0	2	2	9	9	18
73-74	21	26	47	8	10	18	65	13	22	35	6	8	3	2	5	7	4	11
74-75	34	41	75	4	9	13	88	23	33	14	16	30	1	3	4	12	8	20
75-76	35	46	81	10	8	18	99	15	26	41	15	17	3	2	5	11	7	18
76-77	26	60	86	9	8	17	103	20	34	11	31	42	4	6	10	6	11	17
77-78	45	65	110	8	14	22	132	14	29	43	13	29	8	3	11	18	17	35
78-79	24	63	87	12	15	27	114	13	32	45	11	24	5	6	11	7	14	21
79-80	37	57	94	4	17	21	115	19	24	43	12	23	0	6	6	9	21	30
80-81	37	69	106	6	14	20	126	12	45	57	9	14	2	5	7	17	14	31
81-82	41	66	107	9	20	29	136	20	29	49	11	27	4	9	13	14	9	23
82-83	43	66	109	10	20	30	139	21	29	50	14	29	4	5	10	13	17	30
83-84	45	68	113	12	25	37	150	14	36	50	24	28	4	18	22	16	12	28
84-85	40	45	85	15	23	38	123	15	25	40	19	21	3	5	8	18	10	28
85-86	41	60	101	15	33	48	149	15	34	49	15	32	3	7	10	17	16	33
86-87	39	39	78	21	23	44	122	11	26	37	22	23	4	1	5	17	9	26
87-88	48	51	99	24	29	53	152	23	20	43	22	29	2	4	6	19	13	32
88-89	56	61	117	13	17	30	147	25	34	59	21	20	2	1	3	19	20	39
89-90	48	69	117	16	19	35	152	18	32	50	13	28	1	2	4	21	19	40
90-91	59	60	119	8	13	21	140	22	28	50	17	17	0	0	1	19	10	29
91-92	53	77	130	6	32	38	168	18	36	54	17	25	0	4	4	20	13	33
92-93	69	72	141	20	27	47	188	12	34	46	17	19	3	1	4	6	19	25
93-94	69	70	139	19	22	41	180	37	41	78	21	16	9	1	10	28	12	40
94-95	63	68	131	18	14	32	163	19	32	51	15	12	3	3	8	22	12	34
95-96	73	82	155	15	29	44	199	12	29	41	11	8	4	3	7	16	12	28
96-97	56	72	128	24	24	48	162	21	34	55	5	4	3	1	4	10	9	19
	1411	1797	3208	374	542	916	5797	957	1319	2296	646	851	147	181	278	740	535	1275
																189	273	462





TABLE IV.—Showing the Admissions, Discharges, and Deaths, with the mean Annual Mortality and Proportion of Recoveries per cent. of the Admissions since 1st April 1820.

Year.	ADMITTED.			DISCHARGED.												REMAINING 3rd Monday in June of each year.			AVERAGE NUMBERS RESIDENT.			PERCENTAGE OF RECOVERIES ON ADMISSIONS.			PERCENTAGE OF DEATHS ON AVERAGE NUMBER RESIDENT.		
				Recovered.			Relieved.			Not Improved.			Died.														
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
From 1st April 1820 to 3rd Monday June 1829	188	164	352	77	73	150	36	37	73	...	...	...	19	13	32	56	41	97	...	...	...	40·95	44·51	42·61	...	...	...
1829-1830	15	18	33	8	7	15	6	4	10	...	...	...	2	2	4	55	46	101	57	44	101	53·33	38·38	45·45	3·51	4·52	3·95
1830-1831	15	18	33	8	8	16	5	3	8	...	...	...	2	1	3	55	52	107	55	48	103	53·33	44·44	48·48	3·63	2·08	2·91
1831-1832	21	16	37	2	4	6	5	5	10	...	...	...	2	5	7	67	54	121	61	52	113	9·52	25·00	16·21	3·27	9·61	6·19
1832-1833	23	24	47	11	13	24	7	4	11	...	...	...	7	3	10	65	58	123	65	59	124	55·00	54·16	51·06	10·76	5·08	8·06
1833-1834	22	18	40	9	8	17	2	6	8	...	...	...	6	4	10	70	58	128	70	58	128	40·90	44·44	42·50	8·57	6·89	7·81
1834-1835	19	21	40	9	13	22	6	3	9	...	...	...	4	4	8	70	59	129	68	58	126	47·36	61·90	55·00	5·88	6·89	6·24
1835-1836	20	18	38	7	4	11	7	7	14	...	...	...	6	2	8	70	64	134	70	59	129	35·00	22·22	28·94	8·57	3·39	6·20
1836-1837	24	16	40	8	8	16	9	8	17	...	...	...	5	5	10	72	59	131	74	61	135	33·33	50·00	40·00	6·75	8·19	7·48
1837-1838	30	12	42	13	3	16	2	3	5	...	...	...	7	1	8	80	64	144	77	60	137	43·33	25·00	38·09	9·09	1·66	5·53
1838-1839	26	27	53	14	9	23	4	7	11	...	...	...	6	5	11	82	70	152	84	66	150	53·84	33·33	43·39	7·19	7·57	7·83
1839-1840	29	28	57	23	20	43	3	5	8	...	...	...	5	2	7	80	71	151	87	70	157	79·31	71·42	75·43	5·74	2·85	4·45
1840-1841	33	25	58	6	16	22	4	3	7	...	...	...	5	3	8	98	74	172	89	75	164	18·18	64·00	37·93	5·61	3·99	4·87
1841-1842	34	19	53	16	11	27	8	2	10	...	...	...	8	2	10	100	78	178	102	77	179	47·05	57·89	50·94	7·84	2·59	5·58
1842-1843	29	32	61	21	10	31	9	7	16	...	...	...	5	4	9	94	89	183	96	84	180	72·41	31·25	60·78	5·20	4·80	5·00
1843-1844	25	22	47	6	14	20	8	7	15	...	...	...	10	2	12	95	88	183	97	90	187	24·00	63·63	42·55	10·31	2·22	6·41
1844-1845	34	26	60	9	9	18	7	8	15	...	...	...	8	6	14	105	91	196	100	90	190	26·47	34·53	30·00	8·00	6·66	7·37
1845-1846	24	26	50	15	15	30	8	7	15	...	...	...	6	2	8	100	93	193	105	96	201	62·50	26·91	60·00	5·70	2·08	3·90
1846-1847	28	29	57	7	19	26	10	11	21	...	...	...	5	2	7	106	90	196	105	95	200	28·57	65·51	45·61	4·70	2·01	3·05
1847-1848	23	29	52	13	13	26	1	6	7	...	...	...	14	5	19	101	95	196	103	94	197	56·52	44·82	50·00	13·01	5·30	9·60
1848-1849	22	24	46	11	14	25	3	7	10	...	...	...	7	5	12	102	93	195	104	94	198	50·00	58·50	54·34	6·70	5·30	6·00
1849-1850	30	32	62	13	15	28	4	10	14	...	...	...	8	3	11	107	97	204	107	93	200	43·33	46·87	45·16	7·47	3·00	5·00
1850-1851	32	25	57	11	13	24	10	11	21	...	...	...	12	2	14	106	96	202	108	96	204	34·37	52·00	42·10	11·00	2·00	6·85
1851-1852	19	21	40	16	8	24	3	6	9	...	...	...	5	5	10	101	98	199	107	99	206	84·21	38·09	60·00	4·67	5·00	4·85
1852-1853	23	20	43	10	13	23	4	5	9	...	...	...	4	5	9	106	95	201	107	98	205	43·47	65·00	53·48	3·73	5·10	4·39
1853-1854	26	15	41	7	12	19	4	2	6	...	...	...	7	5	12	114	91	205	109	95	204	26·92	80·00	46·34	6·42	5·27	5·88
1854-1855	26	25	51	12	9	21	7	7	14	...	...	...	6	5	11	115	95	210	117	96	213	46·15	36·00	41·17	5·12	5·20	5·16
1855-1856	22	13	35	9	10	19	2	3	5	...	...	...	9	2	11	117	93	210	120	96	216	40·90	76·92	54·28	7·50	2·00	5·00
1856-1857	28	21	49	11	10	21	1	5	6	...	...	...	11	3	14	122	96	218	122	96	218	39·28	47·61	42·85	9·02	3·12	6·12
1857-1858	20	15	35	8	9	17	3	5	8	...	...	...	7	4	11	124	93	217	121	95	216	40·00	60·00	48·57	5·70	4·20	5·09
1858-1859	20	28	48	13	11	24	3	...	3	12	7	19	7	7	14	109	96	205	118	96	214	65·00	39·28	50·00	5·93	7·29	6·54
1859-1860	29	18	47	14	13	27	...	...	...	3	1	4	8	1	9	113	99	212	115	101	216	48·27	72·22	57·44	6·95	...	4·15
1860-1861																											







TABLE VI.  
*Showing the length of Residence of those discharged Recovered, and of those who have Died during the year  
ending 15th June 1897.*

		RECOVERED.			DIED.		
		M.	F.	T.	M.	F.	T.
Within 1 week	...	...	...	...	2	2	4
" 1 fortnight	...	...	...	...	1	...	1
" 1 month	...	2	...	2	...	1	1
Over 1 month and under 3 months	...	6	8	14	3	1	4
3 months and " 6 months	...	7	16	23	1	2	3
" 6 " " 9 "	...	5	9	14	1	2	3
" 9 " " 12 "	...	1	9	10	1	1	2
" 1 year and under 2 years	...	4	2	6	10	5	15
2 years " 3 "	...	2	1	3	2	4	6
" 3 " 4 "	...	...	...	...	1	...	1
" 4 " 5 "	...	1	...	1	1	1	2
" 5 " 6 "	...	...	...	...	...	...	...
" 6 " 7 "	...	...	1	1	1	1	2
" 7 " 8 "	...	...	...	...	...	1	1
" 8 " 9 "	...	...	...	...	...	1	1
" 11 " 12 "	...	...	...	...	...	1	1
Total	...	28	46	74	24	23	47



TABLE VII.

*Showing the Duration of the Disorder on admission in the Admissions, Discharges, and Deaths during the Year 1896-97.*

CLASS.	THE ADMISSIONS.			THE DISCHARGES.						THE DEATHS.		
	M.	F.	T.	Recovered.			Removed Relieved or otherwise.			M.	F.	T.
				M.	F.	T.	M.	F.	T.			
First Class— First Attack, and within Three Months on admission ... ..	54	69	123	6	8	14	2	2	4	5	4	9
Second Class— First Attack, above Three and within Twelve Months on Admission ...	...	1	1	14	29	43	4	4	8	3	5	8
Third Class— Not First Attack, and within Twelve Months on admission ... ..	10	22	32	...	...	...	7	8	15	1	...	1
Fourth Class— First Attack or not, but of more than Twelve Months on admission ...	2	4	6	8	9	17	...	...	...	15	14	29
Fifth Class— Congenital ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Totals ... ..	66	96	162	28	46	74	13	14	27	24	23	47

TABLE VIII.

*Showing in Quinquennial Periods the Ages of those Admitted, Recovered, and Died during the Year 1896-97, and of those remaining on 21st June 1897.*

AGES.	ADMISSIONS.			RECOVERIES.			DEATHS.			PATIENTS RESIDENT, JUNE 1897.			DISCHARGED RELIEVED.			DISCHARGED NOT IMPROVED.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
5 years and under 10 years	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10 "	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15 "	5	1	6	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
20 "	7	10	17	1	...	8	...	...	...	4	3	7	2	...	2	...	1	...
25 "	8	15	23	4	7	11	1	...	...	11	10	21	2	...	2	...	...	...
30 "	6	17	23	3	1	4	6	...	1	15	21	36	...	3	3	...	...	...
35 "	8	18	26	1	8	9	6	3	9	23	34	57	...	...	...	1	2	3
40 "	12	13	25	6	7	13	6	2	8	23	35	58	1	...	2	1	...	1
45 "	11	10	21	5	8	13	2	5	7	28	39	67	2	1	2	...	...	...
50 "	3	4	7	5	3	8	5	2	6	20	36	56	1	...	2	...	...	...
55 "	3	4	7	1	1	2	1	1	7	25	34	59	...	1	...	...	...	...
60 "	1	2	3	1	1	2	...	2	2	15	24	39	...	...	1	...	...	1
65 "	1	2	3	...	2	2	...	3	3	9	20	29	1	...	1	...	...	...
70 "	...	...	...	...	1	2	...	...	...	6	12	18	...	...	2	...	...	...
75 "	...	...	...	...	1	1	1	...	1	3	15	18	...	...	1	...	...	...
80 "	...	...	...	...	...	...	1	...	1	2	2	4	...	...	...	...	...	...
85 "	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...
90 "	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Totals	66	96	162	28	46	74	24	23	47	184	287	470	11	10	21	3	3	6

TABLE IX.

*Showing the Condition as to Marriage on the Admissions, Recoveries, and Deaths during the Year 1896-97, and of the Patients resident on 21st June 1897.*

CONDITION IN REFERENCE TO MARRIAGE.	ADMISSIONS.			RECOVERIES.			DEATHS.			PATIENTS RESIDENT, 21st June 1897.			DISCHARGED RELIEVED.			DISCHARGED NOT IMPROVED.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Single ...	33	44	77	14	23	37	4	12	16	...	...	...	4	5	9	...	2	2
Married ...	28	32	60	11	11	22	15	2	17	...	...	...	4	4	8	3	...	3
Widowed ..	5	19	24	3	12	15	5	9	14	...	...	...	3	1	4	...	1	1
Divorced ...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Unknown ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	66	96	162	28	46	74	24	23	47	184	287	471	11	10	21	3	3	6

TABLE X.

*Showing the probable Causes of Insanity in the Patients admitted during the Year 1896-97.*

CAUSES.	NUMBER OF INSTANCES IN WHICH EACH CAUSE WAS ASSIGNED.								
	As Predisposing Cause.			As Exciting Cause.			TOTAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
<b>MORAL—</b>									
Domestic trouble (including loss of relatives and friends) ...	3	10	13	6	11	17	9	21	30
Adverse circumstances ...	8	2	10	12	7	19	20	9	29
Mental anxiety and worry and overwork ... ..	1	3	4	2	7	9	3	10	13
Religious excitement ... ..	...	...	...	...	2	2	...	2	2
Love affairs ... ..	...	...	...	...	1	1	...	1	1
<b>PHYSICAL—</b>									
Drink ... ..	14	8	22	14	10	24	28	18	46
Sexual intemperance ... ..	...	...	...	3	2	5	3	2	5
Over-exertion or exposure ... ..	...	1	1	3	6	9	3	7	10
Venereal disease ... ..	2	2	4	1	...	1	3	2	5
Self-abuse ... ..	...	...	...	...	...	...	...	...	...
Sunstroke ... ..	...	...	...	...	...	...	...	...	...
Pregnancy ... ..	...	1	1	...	...	...	...	1	1
Parturition and puerperal state ... ..	...	1	1	...	2	2	...	3	3
Lactation ... ..	...	1	1	...	1	1	...	2	2
Uterine and ovarian disorders ... ..	...	1	1	...	...	...	...	1	1
Puberty and adolescence ... ..	2	2	4	5	2	7	7	4	11
Change of life (menopause) ... ..	...	1	1	...	2	2	...	3	3
Old age ... ..	2	3	5	2	4	6	4	7	11
Fevers (rheumatic) ... ..	1	...	1	1	...	1	2	...	2
Cerebral disease ... ..	...	...	...	...	...	...	...	...	...
Epilepsy ... ..	2	3	5	2	4	6	4	7	11
Phthisis ... ..	...	...	...	...	...	...	...	...	...
Privation and starvation ... ..	2	8	10	1	6	7	3	14	17
Other bodily diseases ... ..	3	5	8	4	5	9	7	10	17
Heredity (direct or collateral) ... ..	8	13	21	2	3	5	10	16	26
Previous attacks ... ..	14	25	39	2	15	17	16	40	56
Congenital defect ... ..	3	1	4	2	...	2	5	1	6
Unknown ... ..	1	2	3	1	2	3	2	4	6
Fright ... ..	...	...	...	1	1	2	1	1	2
Influenza ... ..	...	...	...	1	...	1	1	...	1
Frail Physical Health ... ..	...	3	3	1	3	4	1	6	7
Totals ...	66	96	162	66	96	162	132	192	324



TABLE XI.

*Showing the form of Mental Disorder on Admission in the Admissions, Recoveries, and Deaths in the Year 1896-97, and the form of Mental Disorder of the Inmates on 21st June 1897.*

FORM OF MENTAL DISORDER.	ADMISSIONS.			RECOVERIES.			DEATHS.			REMAINING IN ASYLUM. Form of Disorder, 21st June 1897.			DISCHARGED RELIEVED.			DISCHARGED NOT IMPROVED.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Congenital or Infantile Mental Deficiency—																		
<i>a.</i> with Epilepsy ...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...
<i>b.</i> without Epilepsy ...	1	...	1	...	...	...	...	...	...	11	6	1	...	...	...	...	...	...
General Paralysis of Insane ...	4	1	5	...	...	...	15	3	18	9	1	9	...	...	...	...	...	1
Mania—Acute ..	14	18	32	10	14	24	3	1	6	4	5	14	4	...	...	1	...	1
Chronic ...	1	4	5	...	2	2	1	4	5	4	45	49	...	...	...	...	...	2
Recurrent ...	...	3	3	...	3	3	...	1	1	1	10	11	...	...	...	...	...	...
Epileptic ...	1	2	3	1	...	1	2	1	3	18	12	30	...	...	...	...	...	...
Homicidal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal ...	...	2	2	...	2	2	...	...	...	...	2	2	...	...	...	...	...	...
à Potu ...	5	2	7	6	3	9	...	...	...	...	...	...	...	...	...	...	...	...
Melancholia—Simple ...	8	7	15	4	8	12	...	2	2	2	24	33	...	...	...	...	...	...
Suicidal ...	5	7	12	4	4	8	...	...	...	7	9	16	...	...	...	...	...	...
Delusional ...	...	5	5	...	...	...	...	...	...	1	16	17	...	...	...	...	...	...
Dementia—Acute ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Senile ...	4	3	7	...	1	1	1	4	5	...	3	5	...	...	...	...	...	...
Paralytic or Organic ...	...	5	5	...	...	...	...	3	3	3	4	7	...	...	...	...	...	...
Epileptic ...	1	...	1	...	...	...	...	...	...	1	3	4	...	...	...	...	...	...
Alcoholic ...	2	...	2	...	...	...	...	...	...	...	2	5	...	...	...	...	...	...
Chronic ...	7	8	15	...	1	1	...	1	...	62	54	116	...	...	...	...	...	...
Monomania ...	13	29	42	3	8	11	1	2	3	48	91	139	4	2	6	2	...	2
Totals ..	66	96	162	28	46	74	24	23	47	184	287	471	11	10	21	3	3	6

TABLE XII.

*Showing station or occupation of cases admitted during year 1896-97.*

## MALES—(66).

Architect	...	...	1	Joiner	...	...	...	1
Assistant Clerk	...	...	1	Labourers	...	..	...	15
Baker	...	...	1	Mars Boy	...	...	...	1
Boot Fitter	...	...	1	Mason	...	...	...	1
Bottler	...	...	1	Mechanics	...	...	...	2
Cabinet Maker	...	...	1	Millworkers	...	..	...	6
Calenderer	...	...	1	No occupation	...	...	...	1
Clerk	...	...	1	Painter	...	...	...	1
Commission Agent	...	...	1	Pastry Baker	...	...	...	1
Coal Merchant	...	...	1	Pedlar	...	..	...	1
Crofter	...	...	1	Sailors	...	...	...	3
Drapers	..	...	2	Shoemaker	..	..	...	1
Dyer	...	...	1	Soldiers	...	...	...	2
Farm Workers	...	...	5	Tailor	...	...	...	1
Fireman	...	..	1	Turner	...	..	...	1
Furniture Dealer	...	...	1	Unknown	...	...	...	1
Gardener	...	...	1	Waiter	...	...	...	1
Grocer	...	...	1	Watchmaker	...	...	...	1
Grocer's Assistant	...	...	1					—
In Indian Civil Service	...	...	1				Total	66

## FEMALES—(96).

Domestic Servants	...	...	5	Shopkeepers	...	...	...	2
Dressmakers	...	...	2	Spinners	...	...	...	12
Fish Dealer	...	...	1	Sweeper	...	...	...	1
Housewives	...	...	13	Tailoress	...	...	...	1
Houseworkers	...	...	9	Teacher	...	...	...	1
Machinist	...	...	1	Unknown	...	...	...	1
Milliner	...	...	1	Weavers	...	...	...	12
Millworkers	...	...	16	Wife of Ploughman	...	...	...	1
No occupation	...	..	4	Winders	...	...	...	5
Out-door Workers	...	...	3					—
Preparers	...	...	3				Total	96
Reelers	...	...	2					

TABLE XIII.—*The times of the Patients' Death after their admission into the Asylum from the Opening of the Institution to June 21, 1897.*

TIMES OF DEATH.					Males.	Females.	TOTAL.
Within	1 week	...	...	...	3	3	6
„	1 fortnight	...	...	..	43	42	85
„	1 month	...	...	...	44	22	66
„	3 months	...	...	...	76	52	128
„	6 „	...	...	...	72	43	115
„	9 „	...	...	...	43	30	73
„	1 year	...	...	...	43	31	74
„	2 years	...	...	...	131	68	199
„	3 „	...	...	...	62	54	116
„	4 „	...	...	...	37	32	69
„	5 „	...	...	...	25	23	48
„	6 „	...	...	...	24	11	35
„	7 „	...	...	...	17	13	30
„	8 „	...	...	...	10	12	22
„	9 „	...	...	...	9	11	20
„	10 „	...	...	...	5	4	9
„	11 „	...	...	...	6	5	11
„	12 „	...	...	...	7	6	13
„	13 „	...	...	...	5	8	13
„	14 „	...	...	...	8	6	14
„	15 „	...	...	...	5	4	9
„	16 „	...	...	...	8	2	10
„	17 „	...	...	...	3	4	7
„	18 „	...	...	...	7	4	11
„	19 „	...	...	...	8	2	10
„	20 „	...	...	...	3	1	4
„	21 „	...	...	...	2	4	6
„	22 „	...	...	...	2	3	5
„	23 „	...	...	...	2	3	5
„	24 „	...	...	...	2	1	3
„	25 „	...	...	...	0	2	2
„	26 „	...	...	...	3	1	4
„	27 „	...	...	..	1	3	4
„	28 „	...	...	...	1	2	3
„	29 „	...	...	...	4	1	5
„	30 „	...	...	...	3	4	7
„	31 „	...	...	...	0	1	1
„	32 „	...	...	...	2	3	5
„	33 „	...	...	...	1	2	3
„	34 „	...	...	...	1	2	3
„	35 „	...	...	...	2	1	3
„	36 „	...	...	...	1	1	2
„	37 „	...	...	...	0	0	0
„	38 „	...	...	...	0	0	0
„	39 „	...	...	...	2	3	5
„	40 „	...	...	...	0	0	0
„	41 „	...	...	...	2	0	2
„	42 „	...	...	...	0	0	0
„	43 „	...	...	...	1	0	1
„	44 „	...	...	...	0	2	2
„	45 „	...	...	...	1	0	1
„	47 „	...	...	...	1	0	1
„	49 „	...	...	...	1	1	2
„	52 „	...	...	...	0	1	1
„	57 „	...	...	...	0	1	1
„	60 „	...	...	...	1	0	1
TOTAL					740	535	1275

## RATES OF BOARD.

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THE following are the present Rates of Board, subject, however, to such alterations as the Directors shall judge proper, which must necessarily vary according to the state of the funds and the expenses of the establishment. The Board in all cases must be paid quarterly and in advance. Before the entry of a Patient the Board to be paid up for one quarter.

### I. FOR PRIVATE PATIENTS.

First Class - - - .	£25 0 0 per Annum.
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*Note.*—This rate is only for special cases, admitted by authority of the Directors.

Second Class - - - .	£40 0 0 per Annum.
Third Class - - - .	60 0 0 „
Fourth Class - - - .	120 0 0 „
Fifth Class - - - .	180 0 0 „

### II. FOR PAUPER PATIENTS (including Clothes, &c.) 11/- to 12/6 per week.

When a Patient is admitted, one Quarter's Board, as fixed by the Directors, shall be paid in advance to the Medical Superintendent, and afterwards in advance quarterly to the Treasurer, on the 1st day of January, the 1st of April, the first of July, and the 1st of October. No part of any payment in advance, except in the case of paupers, shall be returned, except in special cases, to be judged of by the Committee of Management; and if any Patients who have been removed shall return to the Asylum, they shall be admitted in the same manner as if they had never been in the Asylum, and pay accordingly.

The Patients shall have no claim to remuneration for work done.

Ladies and Gentlemen requiring the benefit of the Institution can be accommodated with commodious apartments, distinct from the other Patients, with a servant if required.



# APPENDIX.

## I.

*Analysis of 5796 Cases admitted into Dundee Royal Asylum from opening of Institution to 21st June 1897.*

INDIVIDUALS.				CASES.		
	Males.	Females.	Total.	Males.	Females.	Total.
Admitted once -	1743	1922	3665	1743	1922	3665
„ twice -	258	353	611	516	706	1222
„ 3 times -	73	88	161	219	264	483
„ 4 „ -	22	24	46	88	96	184
„ 5 „ -	6	12	18	30	60	90
„ 6 „ -	2	4	6	12	24	36
„ 7 „ -	3	4	7	21	28	49
„ 8 „ -	...	1	1	...	8	8
„ 10 „ -	1	...	1	10	...	10
„ 11 „ -	2	...	2	22	...	22
„ 12 „ -	1	...	1	12	...	12
„ 15 „ -	...	1	1	...	15	15
	2111	2409	4520	2673	3123	5796
				Males.	Females.	Total.
1st Admissions -	-	-	-	2111	2409	4520
Relapsed Cases -	-	-	-	562	714	1276
				2673	3123	5796

II.—*Meteorological Tables.*

Week ending.	Daily Ave. Barometer.	Total Rainfall for Week.	Daily Average Thermometer.		Days on which Wind blew			
			Maximum.	Minimum.	N. & to E.	E. & to S.	S. & to W.	W. & to N.
		Inches.			Days.	Days.	Days.	Days.
1896.								
June 4	29.656	.055	68.14°	45.86°	3	1	2	1
11	29.417	1.260	59.86	49.29	4	3	0	0
18	29.583	.780	70.14	51.43	0	3	4	0
25	29.686	.515	65.14	48.86	1	1	4	0
July 2	29.653	.170	67.14	47.86	0	0	3	4
9	29.554	1.080	58.14	50.00	2	0	3	2
16	29.826	.230	71.14	49.79	1	0	4	2
23	29.676	.690	72.14	53.43	0	0	7	0
30	29.534	1.640	64.11	48.57	4	0	2	1
Aug. 6	29.757	.240	66.33	49.66	1	0	3	3
13	29.816	.520	61.86	49.00	2	0	2	3
20	29.566	.380	63.75	49.12	1	2	2	2
27	29.471	.570	65.57	46.71	0	2	1	4
Sept. 3	29.539	.720	63.14	50.57	1	2	3	1
10	29.601	1.170	60.71	50.57	2	5	0	0
17	29.196	1.030	61.43	48.86	0	3	4	0
24	29.096	.970	58.56	43.14	1	1	3	2
Oct. 1	29.357	.770	57.29	42.43	1	1	5	0
8	29.030	.860	56.43	42.14	0	0	6	1
15	29.703	.320	47.50	38.57	3	0	1	3
22	29.274	1.710	50.50	35.00	1	1	1	4
29	29.211	.180	47.57	31.07	2	0	2	3
Nov. 5	29.741	.020	48.14	32.86	3	0	2	2
12	29.700	.130	46.71	38.14	2	0	5	0
19	29.374	.640	47.29	37.86	1	1	5	0
26	30.046	.010	49.59	41.71	0	1	6	0
Dec. 3	29.629	.555	43.64	34.86	4	2	1	0
10	29.014	2.180	44.43	38.00	0	5	1	1
17	29.306	1.670	40.86	34.00	2	1	1	3
24	29.687	.660	37.86	28.86	2	1	1	3
31	29.553	.690	46.00	34.29	1	0	6	0
1897.								
Jan. 7	29.676	.140	44.29	36.14	0	4	3	0
14	29.617	1.170	38.08	31.66	6	0	0	1
21	29.851	.125	40.43	29.71	5	0	1	1
28	29.441	.080	37.83	26.00	2	0	1	4
Feb. 4	29.251	.590	38.00	30.00	5	0	0	2
11	29.530	.210	40.86	33.71	1	2	1	3
18	29.671	.110	45.71	35.86	1	0	6	0
25	29.716	.290	53.00	41.43	0	1	5	1
Mar. 4	29.104	.535	48.86	35.14	0	2	4	1
11	29.381	.260	45.64	34.29	3	3	1	0
18	29.039	3.020	43.00	36.71	0	6	1	0
25	29.307	.770	51.14	42.14	1	0	5	1
Apr. 1	29.044	.540	48.43	33.29	3	1	1	2
8	29.459	.115	45.29	31.57	0	6	0	1
15	29.446	.760	50.07	36.86	1	2	3	1
22	29.450	.230	53.71	37.21	3	1	3	0
29	29.720	.040	51.14	38.86	2	3	2	0
May 6	29.364	.295	54.86	37.86	0	0	3	4
13	29.656	.170	53.43	36.14	1	1	2	3
20	30.034	.065	61.86	40.29	2	3	2	0
27	29.513	.300	58.86	39.57	1	4	2	0
June 3	29.440	.830	63.43	47.29	2	1	4	0
10	29.784	.350	59.29	46.14	2	3	2	0
17	29.567	3.800	68.57	48.57	1	1	3	2
24	29.521	.860	67.00	46.43	2	1	3	1

## III.

*Abstract of most important Pathological Conditions found on  
post-mortem examinations.*

M. R. Female, resident 7 years ; old standing epilepsy ; died 29th June 1896 ; age at death, 32 years. About one ounce of fluid in pericardium, but no evidence of pericarditis. Extensive pleuritic adhesions, some of recent, but principally of old standing. Right lung weighed 2 lb. 11 $\frac{1}{4}$  oz., and was one mass of gangrene, consolidated in some parts and diffuent in others. Left lung lower lobe consolidated, with large cavity in centre. Slight congestion of cerebral membranes. Brain weighed 40 oz., no apparent abnormal change.

---

M. S. or B. Female, resident 6 months. Monomania of persecution ; died 31st July 1896 ; age at death, 52 years.—Suicide by cutting throat with carving knife. Incision 3 $\frac{1}{2}$  to 4 inches long, right across throat ; middle of incision 1 inch above episternal notch. Trachea cut almost quite through,  $\frac{1}{4}$  inch above isthmus of thyroid gland. Both anterior jugular veins, left external jugular vein, left carotid artery, internal jugular vein, and pneumo gastric nerve severed. Right carotid artery and right external jugular vein uninjured. Had never previously shewn suicidal symptoms.

---

H. G. Female, resident 3 months. Senile dementia ; died 1st September 1896 ; age at death, 80. Dry gangrene of great toe and two small toes of right foot. Heart much enlarged, great dilatation of both ventricles, slight hypertrophy of left ventricle ; valves atheromatous, aortic valves incompetent, dilatation of first part of aorta. Considerable amount of fluid in both pleural cavities, especially right. Brain apparently normal, except commencing ossification of portions of dura mater.

---

M. A. W. or I. Female, resident 4 $\frac{1}{2}$  years. General Paralysis ; died 14th September 1896 ; age at death, 42. Skull very dense and thick ;



advanced gelatinous degeneration over both hemispheres, especially over frontal lobes. Large cyst immediately under pia mater at top of right ascending parietal convolution. Great excess of subarachnoid fluid. Well-marked granular degeneration of ependyma of lateral ventricles and floor of fourth ventricle.

---

C. P. or D. Female, resident  $4\frac{1}{2}$  months. Died 25th September 1896 of cancer of stomach, &c.; age at death, 61 years. On opening abdominal cavity, a hard mass was found occupying the epigastric and left hypochondriac regions, and extending over to umbilicus. Mass was adherent to abdominal walls and to left lobe of liver. Great hardness and thickening round pylorus, and on being cut into showed hard growth round opening, and involving whole thickness of stomach wall, and extending into duodenum about 4 inches. On its internal surface tumour was broken down, and in process of disintegration. Microscopic examination showed numerous small round cancer cells.

---

J. C. Male, resident 2 years and 3 months. Mania; died 19th October 1896; age at death, 49 years. Heart showed great hypertrophy of left ventricle. Aortic and pulmonary segments competent; tricuspid and mitral valves healthy; slight atheromatous degeneration of aorta; Coronary arteries thickened and tortuous. Skull cap of ordinary thickness; dura mater slightly adherent to skull over occipital region. On reflecting dura, a thick, tough, false membrane was exposed, covering the whole of the hemispheres, and to which the dura mater was slightly adherent in the frontal region.

---

A. A. Male, resident 1 year  $2\frac{1}{2}$  months. General paralysis; died 4th November 1896; age at death, 52. On removing scalp an extensive extravasation of blood was found. Calvarium very thin. Small amount of diploë. Considerable amount of subdural fluid. Vessels of dura mater congested, especially at base of skull. Great congestion of vessels of brain, especially at base. Old standing clot in right middle cerebral artery. Pia unusually adherent to convolutions over vertex. Extensive granular degeneration of ependyma of both lateral ventricles. Numerous cysts in the choroid plexus. Marked granular degeneration at base of fourth ventricle.



J. S. or S. Female, resident 18 months. General paralysis; died 26th November 1896; age at death, 53. Brain showed usual congested state of vessels found in general paralysis, with extensive gelatinous degeneration of pia mater, with numerous cysts on right side, in region of ascending parietal convolution, and extensive granular degeneration of ependyma of lateral and fourth ventricles; but the most interesting lesions found were numerous cicatricial contractions in apices of both lungs, with hard calcareous nodules, pointing to the previous existence of cavities, which had probably healed up on the incursion of the general paralysis.

---

D. R. Male, resident 6 weeks. Monomania; Rupture of right auricle; died 28th January 1897; age at death, 60 years. On opening into pericardium, sac was found filled with fluid blood, a large quantity escaping immediately on the incision being made. Heart was much enlarged, left ventricle hypertrophied, right ventricle dilated and slightly hypertrophied. Right auricle very thin, and showed large organised clot at apex of appendix. Round this the wall of the auricle was very thin, and had given way at that part. Aortic and pulmonary valves healthy. Slight calcification of aorta. No aortic aneurism. Heart muscle pale and fatty. Patient while sweeping day-room felt sudden pain in region of heart, sat down on a chair, and died suddenly.

---

G. D. Male, resident 4 years. Epilepsy, old standing; died 31st January 1897; age at death, 61 years. Skull cap very thick and dense. Dura mater not adherent to skull cap, and only slightly to pia mater along line of superior longitudinal fissure. Pia mater showed slight gelatinous degeneration, chiefly over parietal convolutions. Brain substance cut easily, and hyperaemia of inner layer of grey matter very marked. Very marked granular degeneration of ependyma of lateral and fourth ventricles. Sections taken from ascending parietal convolutions of left side macerated for three months in Cox's solution, and then treated with hydroquinine and hyposulphite solutions, revealed apparently hypertrophy of motor nerve cells, and increased development of the fibres proceeding from them.

---

A. S. Female, resident  $7\frac{1}{2}$  years, but who had suffered from circular insanity for over 50 years. Died 3rd February 1897; age at death,

94; cancer of liver, &c. Stomach much dilated and bile-stained. Walls congested, and showing punctiform hæmorrhages. Stenosis of pyloric opening, due to great thickening extending upwards from region of gall bladder and duodenum. Morbid tissue composed of cancerous matter. Upper part of duodenum contracted by hard growth, which encircled the ductus communis choledochus, almost entirely closing up the opening of that duct into the intestine. Liver much atrophied, and in state of cirrhosis. Gall bladder atrophied, contained little bile, but two large gall stones were found at base of bladder, occupying nearly the whole of the interior of organ. Around gall bladder, and nearly closing up its orifice, was a hard cancerous mass, extending also up to pyloric end of stomach. Whole abdomen stained with bile, but no sign of ascites. Skull cap very thick, and dura mater so adherent that it had to be cut away. On removing dura from right side a large amount of venous blood poured out, and a large clot was found at base of ascended parietal convolution. Pia mater adherent to dura. Brain substance slightly hyperaemic, but otherwise fairly healthy. Arteries markedly atheromatous.

---

M. P. Female, resident a year, but fourth attack of recurrent mania; died 18th February 1897; age at death, 57 years; cancer of stomach, with perforation. On stomach being exposed, an opening in front wall was revealed just below lesser curvature, and half-way between cardiac and pyloric ends, about the size of a penny piece. The stomach was greatly diminished in size, and on being removed another perforation was found on the posterior wall, similar to that in front. Walls were abnormally thickened and hardened round posterior opening. The skull was of somewhat abnormal shape. At posterior aspect of both parietal bones a depression being present on each side of the middle line and the junction of the parietal and occipital bones at the vertex, forming a sort of crest. Large cyst at apex of left ascending parietal convolution, and granular degeneration of ependyma of ventricles.

---

J. G. or P. Female, resident 18 months. Senile dementia; died 16th May 1897; age at death, 67 years. In stomach hard mass felt at pyloric end, which turned out to be a piece of woollen rag curled upon itself, with its distal end protruding through opening of pylorus intestines; congested, soft, and friable in parts.

---

E. G. Male, resident 16 months. General paralysis ; died 22nd May 1897 ; age at death, 35 years. Both lungs contained numerous hard calcareous nodules in upper lobe. Old cicatrices present at both apices. Liver healthy, but left lobe prolonged out into a thin straplike extremity, which, stretching almost to left border of stomach, was there adherent to the spleen. Dura adherent. Sub-dural fluid in excess. Gelatinous degeneration of pia mater. Ventricles distended with fluid ; numerous cysts in choroid plexus, and general granular degeneration of ependyma of lateral and fourth ventricles. Pons and medulla very hyperaemic.









